

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error or Definition	Errorors
1	BRS	L1	8024	(hyaluronic adj acid) or hyaluronate	USPAT; EPO; JPO; DERWENT	2003/08/27 16:46			0
2	BRS	L2	124	poly adj (lactide-co-glycolide)	USPAT; EPO; JPO; DERWENT	2003/08/27 16:47			0
3	BRS	L3	445	poly adj (glycolide)	USPAT; EPO; JPO; DERWENT	2003/08/27 16:48			0
4	BRS	L4	1934	poly adj (lactic adj acid)	USPAT; EPO; JPO; DERWENT	2003/08/27 16:49			0
5	BRS	L5	2116	poly adj ((lactic adj acid)-co-(glycolic adj acid))	USPAT; EPO; JPO; DERWENT	2003/08/27 16:49			0
6	BRS	L6	4235854	polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol)	USPAT; EPO; JPO; DERWENT	2003/08/27 16:50			0
7	BRS	L7	31536	microsphere or microparticle	USPAT; EPO; JPO; DERWENT	2003/08/27 16:50			0
8	BRS	L8	2805	( microsphere or microparticle) same ((poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol)))	USPAT; EPO; JPO; DERWENT	2003/08/27 17:00			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error or Definition	Errors
				((hyaluronic adj acid) or hyaluronate ) same ( ( microsphere or microparticle) same ((poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol))))	USPAT; EPO; JPO; DERWENT	2003/08/27 17:02			0
9	BRS	L9	28						
10	BRS	L10	441	((hyaluronic adj acid) or hyaluronate ) same buffer	USPAT; EPO; JPO; DERWENT	2003/08/27 17:02			0
11	BRS	L11	55	(( ((hyaluronic adj acid) or hyaluronate ) same buffer) same ((poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol))))	USPAT; EPO; JPO; DERWENT	2003/08/27 17:03			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Err or Defn	Err ors
				(( (hyaluronic adj acid) or hyaluronate ) same buffer) same ((poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol))) same ( microsphere or microparticle)	USPAT; EPO; JPO; DERWENT	2003/08/27 17:03			0
12	BRS	L12	1						
13	BRS	L13	30	((hyaluronic adj acid) or hyaluronate ) near ( buffer or saline)	USPAT; EPO; JPO; DERWENT	2003/08/27 17:03			0
14	BRS	L14	2	(( (hyaluronic adj acid) or hyaluronate ) near ( buffer or saline)) same ( microsphere or microparticle)	USPAT; EPO; JPO; DERWENT	2003/08/27 17:04			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Err or Defi nition	Err ors
15	BRS	L15	0	(( (hyaluronic adj acid) or hyaluronate ) near ( buffer or saline)) same ( ( microsphere or microparticle) same ((poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol))))	USPAT; EPO; JPO; DERWENT	2003/08/27 17:04			0
16	BRS	L16	3381	( microsphere or microparticle) same (((hyaluronic adj acid) or hyaluronate ) or (poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol)))	USPAT; EPO; JPO; DERWENT	2003/08/27 17:04			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error or Definition	Errors
				( ( microsphere or microparticle) same (((hyaluronic adj acid) or hyaluronate ) or (poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol)))) same ( buffer or saline)		2003/08/27 17:05			0
17	BRS	L17	150		USPAT; EPO; JPO; DERWENT	2003/08/27 17:05			0
18	BRS	L18	2	( microsphere or microparticle) same buffer same ((hyaluronic adj acid) or hyaluronate )	USPAT; EPO; JPO; DERWENT	2003/08/27 17:05			0
19	BRS	L19	1	(( microsphere or microparticle) same buffer same ((hyaluronic adj acid) or hyaluronate )) same ((poly adj (lactide-co-glycolide) ) or (poly adj (glycolide) ) or (poly adj (lactic adj acid) ) or (poly adj ((lactic adj acid)-co-(glycolic adj acid))) or (polyanhydride or polyorthoester or polyetherester or polycaprolactone o polyesteramide or (polyethylene adj glycol)))	USPAT; EPO; JPO; DERWENT	2003/08/27 17:07			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error or Definition	Errors
20	BRS	L20	3	amvisc adj plus	USPAT; EPO; JPO; DERWENT	2003/08/27 17:08			0
21	BRS	L21	0	7 same 20	USPAT; EPO; JPO; DERWENT	2003/08/27 17:09			0
22	BRS	L22	5239	vegf or ngf or (nutropin adj depot)	USPAT; EPO; JPO; DERWENT	2003/08/27 17:10			0
23	BRS	L23	46	7 same 22	USPAT; EPO; JPO; DERWENT	2003/08/27 17:11			0
24	BRS	L24	3	23 same 1	USPAT; EPO; JPO; DERWENT	2003/08/27 17:15			0
25	BRS	L25	14	cleland adj jeffrey.in.	USPAT; EPO; JPO; DERWENT	2003/08/27 17:15			0
26	BRS	L26	8	lam adj xanthe.in.	USPAT; EPO; JPO; DERWENT	2003/08/27 17:16			0
27	BRS	L27	1	okumu adj franklin.in.	USPAT; EPO; JPO; DERWENT	2003/08/27 17:16			0
28	BRS	L28	1	(25 or 26 or 27) and 1 and 7	USPAT; EPO; JPO; DERWENT	2003/08/27 17:17			0

FILE 'MEDLINE' ENTERED AT 17:26:32 ON 27 AUG 2003

FILE 'CAPLUS' ENTERED AT 17:26:32 ON 27 AUG 2003  
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FILE 'AGRICOLA' ENTERED AT 17:26:32 ON 27 AUG 2003

=> s (hyaluronic acid) or hyaluronate  
L1 49541 (HYALURONIC ACID) OR HYALURONATE

=> s poly(lactide-co-glycolide)  
MISSING OPERATOR 'POLY(LACTIDE-CO'  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s poly (w)(lactide-co-glycolide)  
L2 2147 POLY (W)(LACTIDE-CO-GLYCOLIDE)

=> s poly (w) glycolide  
L3 479 POLY (W) GLYCOLIDE

=> s poly (w) (lactic acid)  
L4 5055 POLY (W) (LACTIC ACID)

=> s poly (w) ((lactic acid)-co-(glycolic acid))  
MISSING OPERATOR ACID)-CO-  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s poly (w) (lactic acid)(w) co (w) (glycolic acid)  
L5 93 POLY (W) (LACTIC ACID)(W) CO (W) (GLYCOLIC ACID)

=> s polyanhydride or polyorthoester or polyetherester or polycaprolactone or polyesteramide or (p  
L6 147014 POLYANHYDRIDE OR POLYORTHOESTER OR POLYETHERESTER OR POLYCAPROLA  
CTONE OR POLYESTERAMIDE OR (POLYETHYLENE GLYCOL)

=> s l2 or l3 or l4 or l5 or l6  
L7 153734 L2 OR L3 OR L4 OR L5 OR L6

=> s microsphere or microparticle  
L8 102649 MICROSPHERE OR MICROPARTICLE

=> s l7 (p) l8  
L9 3141 L7 (P) L8

=> s l1 (a) (buffer or saline)  
L10 15 L1 (A) (BUFFER OR SALINE)

=> s l9 (p) l10  
L11 0 L9 (P) L10

=> s l9 (p) l1  
L12 2 L9 (P) L1

=> duplicate remove l12  
DUPLICATE PREFERENCE IS 'CAPLUS, SCISEARCH'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L12  
L13 2 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)

=> d l13 1-2 ibib abs

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2002:978348 CAPLUS  
DOCUMENT NUMBER: 138:44739



TITLE: Sustained release of drugs encapsulated in microparticles of hyaluronic acid  
INVENTOR(S): Kim, Myung-jin; Kim, Sun-jin; Kwon, Oh-ryong  
PATENT ASSIGNEE(S): LG Chemical Limited, S. Korea  
SOURCE: U.S. Pat. Appl. Publ., 18 pp., Cont.-in-part of U.S. Ser. No. 596,593.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2002197328	A1	20021226	US 2002-205954	20020726
PRIORITY APPLN. INFO.:			KR 1997-12046	A 19970401
			US 1998-194653	B2 19981130
			US 2000-596593	A2 20000619

AB A sustained-release drug compn. consists essentially of microparticles of hyaluronic acid having a high mol. wt. or an inorg. salt and a protein or peptide drug encapsulated in the microparticles, wherein the av. size of the microparticles ranges from 0.1 to 40 .mu.m. To a 5-mM phosphate-buffered saline contg. 1 mg/mL of hGH, Tween 80 was added to a concn. of 0.01%. Sodium hyaluronate having a mol. wt. of 2,000,000 was added thereto to a concn. of 1 mg/mL. The resulting soln. was supplied to a spray-dryer at a rate of 2 mL/min. to prep. microparticles. The temp. of the influx air to the spray dryer was 85.degree.. The mean diam. of the microparticles thus obtained was 2.0 .mu.m.

L13 ANSWER 2 OF 2 SCISEARCH COPYRIGHT 2003 THOMSON ISI on STN  
ACCESSION NUMBER: 2002:716522 SCISEARCH  
THE GENUINE ARTICLE: 584MR  
TITLE: Composition options for tissue-engineered bone  
AUTHOR: Orban J M; Marra K G; Hollinger J O (Reprint)  
CORPORATE SOURCE: Carnegie Mellon Univ, Bone Tissue Engn Ctr, 125 Smith Hall, 5000 Forbes Ave, Pittsburgh, PA 15213 USA (Reprint); Carnegie Mellon Univ, Bone Tissue Engn Ctr, Pittsburgh, PA 15213 USA; Carnegie Mellon Univ, Inst Complex Engineered Syst, Pittsburgh, PA 15213 USA; Carnegie Mellon Univ, Dept Biomed Engn, Pittsburgh, PA 15213 USA; Carnegie Mellon Univ, Dept Biol Sci, Pittsburgh, PA 15213 USA  
COUNTRY OF AUTHOR: USA  
SOURCE: TISSUE ENGINEERING, (AUG 2002) Vol. 8, No. 4, pp. 529-539. Publisher: MARY ANN LIEBERT INC PUBL, 2 MADISON AVENUE, LARCHMONT, NY 10538 USA. ISSN: 1076-3279.  
DOCUMENT TYPE: General Review; Journal  
LANGUAGE: English  
REFERENCE COUNT: 123

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
AB The logical assembly of tissue-engineered bone is ultimately directed by the clinical status of the patient. The basic elements for tissue-engineered bone should include signaling molecules, cells, and extracellular matrix. The assembly of these basic elements may need to be modified by tissue engineers to account for patient variables of age, gender, health, systemic conditions, habits, and anatomical implant. Moreover, different regions of the body will have different functional loads and vascularity. This review discusses several basic options that may be necessary to engineer bone, including spatial and temporal assembly of signaling factors, cells, and biomimetic extracellular matrices. Moreover, the importance of the health care status of the patient who may be receiving the tissue-engineered composition is emphasized.

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(FILE 'HOME' ENTERED AT 17:26:07 ON 27 AUG 2003)  
FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 17:26:32 ON 27 AUG 2003  
L1 49541 S (HYALURONIC ACID) OR HYALURONATE  
L2 2147 S POLY (W)(LACTIDE-CO-GLYCOLIDE)  
L3 479 S POLY (W) GLYCOLIDE  
L4 5055 S POLY (W) (LACTIC ACID)  
L5 93 S POLY (W) (LACTIC ACID)(W) CO (W) (GLYCOLIC ACID)  
L6 147014 S POLYANHYDRIDE OR POLYORTHOESTER OR POLYETHERESTER OR POLYCAPR  
L7 153734 S L2 OR L3 OR L4 OR L5 OR L6



L8 102649 S MICROSPHERE OR MICROPARTICLE  
L9 3141 S L7 (P) L8  
L10 15 S L1 (A) (BUFFER OR SALINE)  
L11 0 S L9 (P) L10  
L12 2 S L9 (P) L1  
L13 2 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)

=> s l10 (p) l8  
L14 0 L10 (P) L8

=> s cleland jeffrey/au  
L15 5 CLELAND JEFFREY/AU

=> s lam xanthe/au  
L16 9 LAM XANTHE/AU

=> s okumu franklin/au  
L17 6 OKUMU FRANKLIN/AU

=> s (l15 or l16 or l17) and l1 and l8  
L18 1 (L15 OR L16 OR L17) AND L1 AND L8

=> d l18 1 ibib abs

L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2001:300548 CAPLUS  
DOCUMENT NUMBER: 134:316141  
TITLE: Injection vehicle for polymer-based formulations  
INVENTOR(S): Cleland, Jeffrey L.; Lam, Xanthe M.; \*\*\*Okumu,\*\*\*  
\*\*\* Franklin\*\*\*  
PATENT ASSIGNEE(S): Genetech, Inc., USA  
SOURCE: PCT Int. Appl., 26 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001028591	A2	20010426	WO 2000-US26258	20001016
WO 2001028591	A3	20020307		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,  
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1220690	A2	20020710	EP 2000-971986	20001016
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL

PRIORITY APPLN. INFO.: US 1999-159739P P 19991015  
WO 2000-US26258 W 20001016

AB The invention provides injection vehicles suitable for administering particulate suspensions, such as polymer-based formulations, as well as assocd. pharmaceutical formulations, articles of manuf., and kits. Other aspects of the invention included methods for producing and administering pharmaceutical formulations. The injection vehicles of the invention are superior to conventional injection vehicles in that they include a pseudoplastic compn. that improves injectability, which facilitates delivery of the desired dose. The injection vehicles of the invention also allow the use of smaller-bore needles than are usually necessary to inject polymer-based formulations, reducing the pain assocd. with injection of such formulations. Syringeability of \*\*\*microspheres\*\*\* contg. proteins such as anti-rhGH Fab polymer-based formulations or VEGF, or other proteins and contg. Na \*\*\*hyaluronate\*\*\* was studied.

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(FILE 'HOME' ENTERED AT 17:26:07 ON 27 AUG 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 17:26:32 ON 27 AUG 2003

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 L2 2147 S POLY (W) (LACTIDE D-GLYCOLIDE)  
 L3 479 S POLY (W) GLYCOLIDE  
 L4 5055 S POLY (W) (LACTIC ACID)  
 L5 93 S POLY (W) (LACTIC ACID) (W) CO (W) (GLYCOLIC ACID)  
 L6 147014 S POLYANHYDRIDE OR POLYORTHOESTER OR POLYETHERESTER OR POLYCAPR  
 L7 153734 S L2 OR L3 OR L4 OR L5 OR L6  
 L8 102649 S MICROSPHERE OR MICROPARTICLE  
 L9 3141 S L7 (P) L8  
 L10 15 S L1 (A) (BUFFER OR SALINE)  
 L11 0 S L9 (P) L10  
 L12 2 S L9 (P) L1  
 L13 2 DUPLICATE REMOVE L12 (0 DUPLICATES REMOVED)  
 L14 0 S L10 (P) L8  
 L15 5 S CLELAND JEFFREY/AU  
 L16 9 S LAM XANTHE/AU  
 L17 6 S OKUMU FRANKLIN/AU  
 L18 1 S (L15 OR L16 OR L17) AND L1 AND L8

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	83.60	83.81
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
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